1	
2	We claim:
3	1. A motion compensating apparatus for a floating platform on an ocean, wherein a riser
4	extends from the ocean floor through the floating platform, the apparatus comprising:
5	-a frame member;
6	-a deck slidably attached to said frame member, and wherein said riser extends
7	through said deck;
8	-moving means, connected to said frame member and said deck, for moving said
9	frame member relative to said deck.
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1	2. The apparatus of claim 1 wherein said moving means comprises a cylinder member
2	operatively attached to said frame member and a piston operatively attached to said deck and
13	wherein the apparatus further comprises:
4	-energizing means for energizing said cylinder member so that said cylinder
5	extends from said piston thereby moving said moving said frame member.
6	
7	3. The apparatus of claim 2 further comprising:
8	-a track stack member that is attached to said deck; and,
9	-wherein said riser is operatively attached to said track stack member so that said
20	deck is attached to said riser.
21	
22	4. The apparatus of claim 3 wherein a coiled tubing extends into the well

1	5. The apparatus of claim 4 wherein said energizing means comprises:
2	-a pressurized (recharging) vessel configured to direct a pneumatic supply to said
3	cylinder member; and,
4	-a valve panel for regulating a pressure amount to be delivered to said cylinder
5	member.
6	
7	6. The apparatus of claim 5 wherein said energizing means further comprising a gas
8	delivery mechanism for keeping the cylinder member within a predetermined pressure range and
9	wherein a pressure circuit connects said gas delivery mechanism to said cylinder member.
10	
11	7. The apparatus of claim 5 wherein said moving means further comprises:
12	-a second cylinder member; and,
13	-a second piston operatively associated with said second cylindrical member.
14	
15	8. The apparatus of claim 5 further comprising:
16	-a spacer operatively associated with said frame member and wherein said spacer is
17	attached to a floating platform in an ocean.
18	
19	9. A system for providing motion compensation on a platform attached to an ocean floor,
20	said platform being operatively associated with a riser extending from a subterranean well, the
21	system comprising:
22	-a frame member positioned on the platform;

1	-a deck slidably attached to said frame member, and wherein said deck is attached
2	to said riser;
3	-a cylinder member operatively attached to said frame member;
4	-a piston operatively associated with said cylinder member and wherein said piston
5	is attached to said deck so that said frame member can be moved relative to said deck.
6	
7	10. The system of claim 9 wherein said frame member contains a plurality of guide post
8	and wherein said deck is slidably mounted on said guide post so that said frame member is
9	movable relative to said movable deck.
10	
11	11. The system of claim 10 further comprising:
12	-energizing means for energizing said cylinder so that said cylinder extends from
13	said piston thereby moving said frame member.
14	
15	12. The system of claim 11 wherein said energizing means comprises:
16	-a pressurized (recharging) vessel configured to direct a pneumatic supply to said
17	cylinder member, and,
18	-a valve panel for regulating a pressure amount to be delivered to said cylinder
19	member.
20	
21	13. The system of claim 12 wherein said energizing means further comprises a gas
22	delivery mechanism for keeping the cylinder member within a predetermined pressure range and

1	wherein a pressure circuit connects said gas denvery mechanism to said cylinder member.
2	
3	14. The system of claim 12 further comprising:
4	-a second cylinder member operatively attached to said frame member; and,
5	-a second piston operatively associated with said second cylinder member and
6	wherein said second piston is attached to said deck so that said frame member can be moved
7	relative to said deck.
8	
9	15. The system of claim 12 wherein said frame member contains a spacer operatively
10	associated with said frame member.
11	
12	16. The system of claim 12 further comprising:
13	-a track stack member that is attached to said deck; and,
14	-an injection head operatively attached to said track stacker member.
15	
16	17. The system of claim 16 further comprising means for locking said deck to said frame
17	member in order to prevent movement of said deck.
18	
19	18. The system of claim 17 wherein said locking means comprises:
20	-a hydraulic cylinder having an engaging pin and wherein said engaging pin
21	engages a latching beam attached to said frame member.
22	

1	19. A method of compensating for movement on an offshore platform during well
2	operations, and wherein a riser extends from a well to the platform, the method comprising:
3	-providing a motion compensator on said platform, said motion compensator
4	comprising: a frame member attached to the platform, and, a deck slidably mounted on said frame
5	member;
6	-attaching said deck to the riser;
7	-moving the platform in a first vertical direction; and,
8	-sliding said frame member relative to said deck.
9	
10	20. The method of claim 19 wherein the motion compensator further comprises a cylinder
11	connected to said frame member and having a piston disposed therein and wherein said piston is
12	attached to said deck, and wherein the step of sliding said frame member comprises:
13	-controlling the pressure into the cylinder with an energizing pressure means to
14	said cylinder;
15	-absorbing any force associated with the movement of the offshore platform.
16	
17	21. The method of claim 20 wherein the an injector head is attached to the deck and
18	wherein the injector head receives a coiled tubing, and the method further comprises:
19	-lowering the coiled tubing into the riser;
20	-performing the well operations on the well with the coiled tubing.
21	
22	22. The method of claim 20 wherein the pressure within the cylinder is set at a

1	predetermined balanced pressure state and the step of controlling the pressure into the cylinder
2	with said energizing pressure means includes:
3	-moving the cylinder in a downward direction in response to sea movement;
4	-increasing the area within the cylinder
5	-decreasing the pressure within the cylinder,
6	-directing a gas into the cylinder so that the pressure within the cylinder increases;
7	-increasing the pressure within the cylinder to the predetermined balanced pressure
8	state.
9	
10	23. The method of claim 20 wherein the pressure within the cylinder is set a
11	predetermined balanced pressure state and the step of controlling the pressure into the cylinder
12	with said energizing pressure means includes:
13	-moving the cylinder in an upward direction in response to sea movement;
14	-decreasing the area within the cylinder
15	-increasing the pressure within the cylinder;
16	-directing a gas from the cylinder so that the pressure within the cylinder
17	decreases;
18	-decreasing the pressure within the cylinder to the predetermined balanced
19	pressure state.
20	
21	24. The method of claim 20 further comprising:
22	-extending an engagement pin from a cylinder, wherein said cylinder is attached to

1	said deck;
2	-engaging said engagement pin with a latching beam, wherein said latching beam is
3	attached to said frame member;
4	-preventing the sliding of said frame member relative to said deck.